

Attorney's Docket No. 740145-180

9/A 11-262
Adm

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of)
Takeshi MINOBE et al.) Group Art Unit: 2828
Application No.: 09/761,831) Examiner: G. Inzirillo
Filed: January 18, 2001)
For: CROSS-FLOW FAN FOR DISCHARGE)
EXCITED GAS LASER)

CERTIFICATE OF MAILING

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K.M. McManus
K.M. McManus

AMENDMENT

Commissioner for Patents
Washington, D.C. 20231

Sir:

The following is presented in response to the Office Action mailed July 3, 2002, in connection with the above-captioned patent application.

In the Specification:

Please amend paragraph numbers [0032]-[0034], [0038], [0043], & [0045] as follows:

A/ [0032] The inventors have conducted various experiments, the results of which revealed that the flow rate is not adversely affected under high-head, low-flow-rate use conditions if a rotating shaft of diameter d is mounted in a cross-flow fan such that $d/D \geq 0.07$ (d : diameter of rotating shaft, D : fan outer diameter).

R [0033] In addition, rotating shaft diameter d exceeding $d/D \geq 0.13$ would be desirable in the case of a cross-flow fan capable of high-speed rotation used in an excimer laser device in which the cyclic frequency of the laser pulse is high because of the relation with the axial strength.

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PTO/SB/21 (08-00)

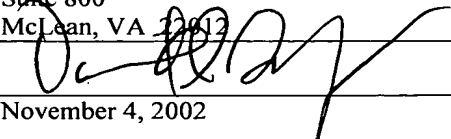
Approved for use through 10/31/2002. OMB 0651-0031


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TRANSMITTAL FORM (to be used for all correspondence after initial filing)		Application Number	09/761,831
		Filing Date	January 18, 2001
		First Named Inventor	Takeshi MINOBE et al.
		Group Art Unit	2894
		Examiner Name	Unknown
Total Number of Pages in This Submission	27	Attorney Docket Number	740145-180

ENCLOSURES (check all that apply)		
<input checked="" type="checkbox"/> Fee Transmittal Form <input checked="" type="checkbox"/> Fee Attached <input checked="" type="checkbox"/> Amendment / Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input checked="" type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Response to Missing Parts/ Incomplete Application <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53 <input type="checkbox"/> Response to File Corrected Application Papers <input type="checkbox"/> Submission of Substitute Drawings 5 sheets (Figs. 1-9)	<input type="checkbox"/> Assignment Papers (for an Application) <input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____	<input type="checkbox"/> After Allowance Communication to Group <input checked="" type="checkbox"/> Form PTO-1449 and copy of reference
Remarks		RECEIVED NOV 18 2002 TECHNOLOGY CENTER 2800

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT	
Firm or Individual name	David S. Safran, Reg. No. 27,997 Nixon Peabody LLP 8180 Greensboro Drive Suite 800 McLean, VA 22102
Signature	
Date	November 4, 2002

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Type or printed name	K.M. McManus	
Signature		Date <u>November 4, 2002</u>

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FEE TRANSMITTAL FOR FY 2002

Patent fees are subject to annual revision.

☐ Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$110.00)

Complete if Known

Application Number 09/761,831
Filing Date 01/18/2001
First Named Inventor Takeshi MINOBE et al.
Examiner Name G. Inzirillo
Group Art Unit 2828
Attorney Docket No. 740145-180

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METHOD OF PAYMENT (check all that apply)

☒ Check ☐ Credit Card ☐ Money Order ☐ Other ☐ None

☐ Deposit Account:

Deposit Account Number 19-2380(740145-180)

Deposit Account Name Nixon Peabody LLP

The Commissioner is authorized to: (check all that apply)

☐ Charge fee(s) indicated below ☒ Credit any overpayments

☒ Charge any additional fee(s) during the pendency of this application

☐ Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.

FEE CALCULATION

1. BASIC FILING FEE

Large Entity Fee Code	Large Entity Fee (\$)	Small Entity Fee Code	Small Entity Fee (\$)	Fee Description	Fee Paid
101	740	201	370	Utility filing fee	
106	330	206	165	Design filing fee	
107	510	207	255	Plant filing fee	
108	740	208	370	Reissue filing fee	
114	160	214	80	Provisional filing fee	

SUBTOTAL (1) (\$0)

2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE

			Extra Claims		Fee from below		Fee Paid
Total Claims	4	-20**=	0	X	18.	=	0
Independent Claims	1	-3**=	0	X	84.	=	0
Multiple Dependent			0	X	280.	=	0

Large Entity Fee Code	Large Entity Fee (\$)	Small Entity Fee Code	Small Entity Fee (\$)	Fee Description
103	18	2202	9	Claims in excess of 20
102	84	2201	42	Independent claims in excess of 3
104	280	2203	140	Multiple dependent claim, if not paid
109	84	2204	42	** Reissue independent claims over original patent
110	18	2205	9	** Reissue claims in excess of 20 and over original patent

SUBTOTAL (2) (\$0)

**or number previously paid, if greater; For Reissues, see above

FEE CALCULATION (continued)

3. ADDITIONAL FEES

Large Entity Fee Code	Large Entity Fee (\$)	Small Entity Fee Code	Small Entity Fee (\$)	Fee Description
105	130	205	65	Surcharge - late filing fee or oath
127	50	227	25	Surcharge - late provisional filing fee or cover sheet
139	130	139	130	Non-English specification
147	2,520	147	2,520	For filing a request for ex parte reexamination
112	920*	112	920*	Requesting publication of SIR prior to Examiner action
113	1,840*	113	1,840*	Requesting publication of SIR after Examiner action
115	110	215	55	Extension for reply within first month
116	400	216	200	Extension for reply within second month
117	920	217	460	Extension for reply within third month
118	1,440	218	720	Extension for reply within fourth month
128	1,960	228	980	Extension for reply within fifth month
119	320	219	160	Notice of Appeal
120	320	220	160	Filing a brief in support of an appeal
121	280	221	140	Request for oral hearing
138	1,510	138	1,510	Petition to institute a public use proceeding
140	110	240	55	Petition to revive - unavoidable
141	1,280	241	640	Petition to revive - unintentional
142	1,280	242	640	Utility issue fee (or reissue)
143	460	243	230	Design issue fee
144	620	244	310	Plant issue fee
122	130	122	130	Petitions to the Commissioner
123	50	123	50	Processing fee under 37 CFR 1.17(q)
126	180	126	180	Submission of Information Disclosure Stmt
581	40	581	40	Recording each patent assignment per property (times number of properties)
146	740	246	370	Filing a submission after final rejection (37 CFR § 1.129(a))
149	740	249	370	Filing a submission after final rejection (37 CFR § 1.129(b))
179	740	279	370	Request for Continued Examination (RCE)
169	900	169	900	Request for expedited examination of a design application

Other fee (specify) _____

*Reduced by Basic Filing Fee Paid

SUBTOTAL (3) (\$110.00)

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Name: K.M. McManus

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Registration No.

27,997

(Attorney/Agent)

Complete (if applicable)

Telephone

703-770-9300

Signature

Date

November 4, 2002